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**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/846,606**DATE: 07/08/97
TIME: 08:12:50**INPUT SET: S18768.raw**

This Raw Listing contains the General Information Section and up to the first 5 pages.

SEQUENCE LISTING

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Schering Corporation
6
7 (ii) TITLE OF INVENTION: Thioredoxin/Heterologous Protein
8 Bacterial Expression System
9
10 (iii) NUMBER OF SEQUENCES: 9
11
12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: Schering-Plough Corporation
14 (B) STREET: 2000 Galloping Hill Road
15 (C) CITY: Kenilworth
16 (D) STATE: New Jersey
17 (E) COUNTRY: U.S.A.
18 (F) ZIP : 07033-0530
19
20 (v) COMPUTER READABLE FORM:
21 (A) MEDIUM TYPE: diskette
22 (B) COMPUTER: Apple Macintosh
23 (C) OPERATING SYSTEM: Macintosh 7.5.3
24 (D) SOFTWARE: Microsoft Word 5.1a
25
26 (vi) CURRENT APPLICATION DATA:
27 (A) APPLICATION NUMBER:
28 (B) FILING DATE:
29
30 (vii) PRIOR APPLICATION DATA
31 (A) APPLICATION NUMBER: US 60/011,606
32 (B) FILING DATE: 30-APR-1996
33
34 (viii) ATTORNEY/AGENT INFORMATION:
35 (A) NAME: Foulke, Cynthia L.
36 (B) REGISTRATION NUMBER: 32,364
37 (C) REFERENCE DOCKET NUMBER: JB0600Q
38
39
40 (2) INFORMATION FOR SEQ ID NO:1:
41
42 (i) SEQUENCE CHARACTERISTICS:
43 (A) LENGTH: 30 bases
44 (B) TYPE: nucleic acid
45 (C) STRANDEDNESS: single

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RAW SEQUENCE LISTING
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47 (D) TOPOLOGY: linear
48
49 (ii) MOLECULE TYPE: DNA
50
51 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
52
53 CCTGTGGAGT TACATATGAG CGATAAAATT 30
54
55 (2) INFORMATION FOR SEQ ID NO:2:
56
57 (i) SEQUENCE CHARACTERISTICS:
58 (A) LENGTH: 47 bases
59 (B) TYPE: nucleic acid
60 (C) STRANDEDNESS: single
61 (D) TOPOLOGY: linear
62
63 (ii) MOLECULE TYPE: DNA
64
65 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
66
67 GCACCCAACA TGCAAGGATC CTTACGCCAG ATTAGCATCG AGGAACT 47
68
69 (2) INFORMATION FOR SEQ ID NO:3:
70
71 (i) SEQUENCE CHARACTERISTICS:
72 (A) LENGTH: 336 base pairs
73 (B) TYPE: nucleic acid
74 (C) STRANDEDNESS: single
75 (D) TOPOLOGY: linear
76
77 (ii) MOLECULE TYPE: DNA
78
79 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
80
81 ATGAGCGATA AAATTATTCA CCTGACTGAC GACAGTTTG ACACGGATGT 50
82 ACTCAAAGCG GACGGGGCGA TCCTCGTCGA TTTCTGGCA GAGTGGTGC 100
83 GTCCGTGCAA AATGATGCC CCGATTCTGG ATGAAATCGC TGACGAATAT 150
84 CAGGGCAAAC TGACCGTTGC AAAACTGAAC ATCGATCAAA ACCCTGGCAC 200
85 TGCGCCGAAA TATGGCATCC GTGGTATCCC GACTCTGCTG CTGTTCAAAA 250
86 ACGGTGAAGT GGCGGCAACC AAAGTGGGTG CACTGTCTAA AGGTCAGTTG 300
87 AAAGAGTTCC TCGATGCTAA TCTGGCGTAA GGATCC 336
88
89 (2) INFORMATION FOR SEQ ID NO:4:
90
91 (i) SEQUENCE CHARACTERISTICS:
92 (A) LENGTH: 336 bases pairs
93 (B) TYPE: nucleic acid
94 (C) STRANDEDNESS: single
95 (D) TOPOLOGY: linear
96
97 (ii) MOLECULE TYPE: cDNA
98
99 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

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100
101 ATGAGCGATA AAATTATTCA CCTGACTGAC GACAGTTTG ACACGGATGT 50
102 ACTCAAAGCG GACGGGGCGA TCCTCGTCGA TTTCTGGCA GAGTGGTGCG 100
103 GTCCGTGCAA AATGATGCC CCGATTCTGG ATGAAATCGC TGACGAATAT 150
104 CAGGGCAAAC TGACCGTTGC AAAACTGAAC ATCGATCAAA ACCCTGGCAC 200
105 TGCGCCGAAA TATGGCATCC GTGGTATCCC GACTCTGCTG CTGTTCAAAA 250
106 ACGGTGAAGT GGCGGCAACC AAAGTGGGTG CACTGTCTAA AGGTCAGTTG 300
107 AAAGAGTTCC TCGAGGCTAA TCTGGCGTAA GGATCC 336
108
109 (2) INFORMATION FOR SEQ ID NO:5:
110
111 (i) SEQUENCE CHARACTERISTICS:
112 (A) LENGTH: 81 bases pairs
113 (B) TYPE: nucleic acid
114 (C) STRANDEDNESS: single
115 (D) TOPOLOGY: linear
116
117 (ii) MOLECULE TYPE: cDNA
118
119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
120
121 GAT AAT ATT CTG GCT GGT TCT GGT TCT GGT GAT GAC GAT GAC AAG 45
122 Asp Asn Asn Leu Ala Gly Ser Gly Ser Gly Asp Asp Asp Asp Lys
123 1 5 10 15
124
125
126 GGT CCT GTT CCG CCG TCT ACC GCT CTG CGT GAG CTC 81
127 Gly Pro Val Pro Pro Ser Thr Ala Leu Arg Glu Leu
128 20 25
129
130 (2) INFORMATION FOR SEQ ID NO:6:
131
132 (i) SEQUENCE CHARACTERISTICS:
133 (A) LENGTH: 52 bases
134 (B) TYPE: nucleic acid
135 (C) STRANDEDNESS: single
136 (D) TOPOLOGY: linear
137
138 (ii) MOLECULE TYPE: DNA
139
140 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
141 GAAGGAGGCT GATTAAATGG GTCCGGTTCC GCCGTCTACC GCTCTGGAGC 50
142 TC 52
143
144 (2) INFORMATION FOR SEQ ID NO:7:
145
146 (i) SEQUENCE CHARACTERISTICS:
147 (A) LENGTH: 18 bases
148 (B) TYPE: nucleic acid
149 (C) STRANDEDNESS: single
150 (D) TOPOLOGY: linear
151
152 (ii) MOLECULE TYPE: DNA

**RAW SEQUENCE LISTING
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153
154 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
155 AAGGAGGCTG ATTAAATG 18
156
157 (2) INFORMATION FOR SEQ ID NO:8:
158
159 (i) SEQUENCE CHARACTERISTICS:
160 (A) LENGTH: 17 bases
161 (B) TYPE: nucleic acid
162 (C) STRANDEDNESS: single
163 (D) TOPOLOGY: linear
164
165 (ii) MOLECULE TYPE: DNA
166
167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
168 AAGGAGGCTG ATTAAATG 17
169
170 (2) INFORMATION FOR SEQ ID NO:9:
171
172 (i) SEQUENCE CHARACTERISTICS:
173 (A) LENGTH: 14 bases
174 (B) TYPE: nucleic acid
175 (C) STRANDEDNESS: single
176 (D) TOPOLOGY: linear
177
178 (ii) MOLECULE TYPE: DNA
179
180 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
181
182 AAGGAGGTTT AATG 14
183
184
185

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SEQUENCE VERIFICATION REPORT
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Original Text